Declaration for Patent Application

As a named inventor, I hereby declare that:

My residence, mailing address and citizenship are as stated next to my name;

I believe I am the original, first and sole inventor (if only one name is listed) or an original, first and joint inventor (if plural names are listed in the signatory page(s) commencing at page 3 hereof) of the subject matter which is claimed and for which a patent is sought on the invention entitled

		R OF AN EMPIRI	ARATUS FOR CONSTRAINING A CAL PROCESS	A NON	-LINE	<u>AR</u>			
the specific	ation of which (check one)							
[X] is:	attached hereto.								
[] wa	s filed on	as U	nited States Application						
Nu	ımber or PCT In	ternational Applic	ation No						
an	d was amended	on	(if applicable).						
			d understand the contents of the about	ove-ide	ntified	spec	ıficat	ion,	
§1.56, inclu	iding for continu of the prior appli	ation-in-part appli	formation which is material to pater cations, material information which onal or PCT international filing date	becam	e avail	able 1	betwe	een th	
for patent or country other any foreign	r inventor's certi er than the Unite application for p	ficate, or 365(a) of d States of Americ	ts under 35 U.S.C. 119(a)-(d) or 36 f any PCT international application ca, listed below and have also identic certificate, or of any PCT international is claimed:	which of the fied be	designa low, by	iteď a z che	at leas cking	st one the b	oox,
		<u>P1</u>	rior Foreign Application(s)	N	ority Iot imed		Cert Copy ES	ified Filed N	
(Number)		(Country)	(Day/Month/Year filed)	_ []	[]	[]
(Number)		(Country)	(Day/Month/Year filed)	_ []	[]	[]
(Number)		(Country)	(Day/Month/Year filed)	_ []	[]	[]
I hereby cla	im the benefit u	nder 35 U.S.C. §11	19(e) of any United States provision	al appl	ication	(s) li	sted l	elow	•
60/	/214,875		6/29/00						
(Application	n Number)		(Filing Date)						.,
(Application	n Number)		(Filing Date)	·					

1.50

(Application Serial No	cation Serial No.) (Filing date)		(Status: patented, pending, abandoned)
(Application Serial No.)		(Filing date)	(Status: patented, pending, abandoned)
(Application Serial No	.)	(Filing date)	(Status: patented, pending, abandoned)
(Application Serial No	.)	(Filing date)	(Status: patented, pending, abandoned)
As a named in Hamilton, Brook, Smi Customer No. 210	ith & Reyn	reby appoint the attorneys a olds, P.C., Two Militia Dr	and/or agents associated with ive, Lexington, Massachusetts 02421-4799
and			,
to prosecute this applic	ation and to	transact all business in the	Patent and Trademark Office connected therewith.
Please send corres	pondence t	0:	
[X] Customer No	•	21005	
[24] Customer 110	•	HAMILTON, BROOK,	SMITH & REYNOLDS, P.C.
		Two Militia Drive Lexington, MA 02421-4	799
or			
[] Address as fol	llows:		
Direct telepho	one calls to:	Mary Lou Wakimura	Telephone No.: 781-861-6240
-		Mary Lou Wakimura	Facsimile No.: 781-861-9540
Direct lacsing	nes to	Mary Dou Waxiilala	Z decimine 1.co., you con you
on information and bel that willful false statem	ief are belie ents and the United Stat	ved to be true; and further the like so made are punishables es Code and that such willfu	y own knowledge are true and that all statements made hat these statements were made with the knowledge le by fine or imprisonment, or both, under Section all false statements may jeopardize the validity of the
Full name of sole			
or first inventor	Paul Tu	ırner	
Inventor's Signature			Date
Residence	8 Nant-	y-coed	
	Mold, I	Flintshire CH7 1NX, United	Kingdom
Citizenship	United	Kingdom	
Mailing Address	Same		
			Aller

Full name of second join	t	
inventor, if any	John P. Guiver	
Inventor's Signature		Date
Residence	93 Pleasant Valley	1.000
	Saffron Walden CB11 4AW, United Kingdom	
Citizenship	United Kingdom	
Mailing Address	Same	
Full name of third joint inventor, if any	Della Linna	
	A MI Com to a sea of the	D+ 06/20/2001
Inventor's Signature	5	Date <u>00/2.0/2.00 </u>
Residence		
	Houston, Texas 77094	
Citizenship	Canadian	
Mailing Address	Same	
Full name of fourth joint		
inventor, if any		
Inventor's Signature		Date
Residence	17 Ava Road	
	Toronto, Ontario, Canada M5P 1X8	
Citizenship	Canadian	
Mailing Address	Same	

Declaration for Patent Application

As a named inventor, I hereby declare that:

My residence, mailing address and citizenship are as stated next to my name;

I believe I am the original, first and sole inventor (if only one name is listed) or an original, first and joint inventor (if plural names are listed in the signatory page(s) commencing at page 3 hereof) of the subject matter which is claimed and for which a patent is sought on the invention entitled

COMPUTER METHOD AND APPARATUS FOR CONSTRAINING A NON-LINEAR

as United States Application Number or PCT International Application No		<u>APPROXIMATOR</u>	<u>OF AN EMPIR</u>	RICAL PR	ROCESS							
Number or PCT International Application No	the spec	ification of which (cl	neck one)									
Number or PCT International Application No	[X]	is attached hereto.										
and was amended on	[]	was filed on	as 1	United St	ates Application	ı						
I hereby state that I have reviewed and understand the contents of the above-identified specificulting the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to patentability as defined in §1.56, including for continuation-in-part applications, material information which became available be filing date of the prior application and the national or PCT international filing date of the continuation application. I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign a for patent or inventor's certificate, or 365(a) of any PCT international application which designated at country other than the United States of America, listed below and have also identified below, by check any foreign application for patent or inventor's certificate, or of any PCT international application have date before that of the application on which priority is claimed: Prior Foreign Application(s) Priority (Country) Prior Foreign Application(s) Priority (Country) (Day/Month/Year filed) [] [(Number) (Country) (Day/Month/Year filed) [] [(Number) (Country) (Day/Month/Year filed) [] [(Number) (Country) (Day/Month/Year filed) [] [(Pay/Month/Year filed) [] [(Number) (Country) (Day/Month/Year filed) [] [(Pay/Month/Year filed)		Number or PCT Into	ernational Appl	ication N	0							
I acknowledge the duty to disclose information which is material to patentability as defined in §1.56, including for continuation-in-part applications, material information which became available be filing date of the prior application and the national or PCT international filing date of the continuation application. I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign a for patent or inventor's certificate, or 365(a) of any PCT international application which designated at country other than the United States of America, listed below and have also identified below, by check any foreign application for patent or inventor's certificate, or of any PCT international application have date before that of the application on which priority is claimed: Prior Foreign Application(s)		and was amended or	n	(if app	licable).							
§1.56, including for continuation-in-part applications, material information which became available be filing date of the prior application and the national or PCT international filing date of the continuation application. I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign a for patent or inventor's certificate, or 365(a) of any PCT international application which designated at country other than the United States of America, listed below and have also identified below, by check any foreign application for patent or inventor's certificate, or of any PCT international application have date before that of the application on which priority is claimed: Prior Foreign Application(s)	includin						e-ider	tified	spec	ificat	ion,	
for patent or inventor's certificate, or 365(a) of any PCT international application which designated at country other than the United States of America, listed below and have also identified below, by check any foreign application for patent or inventor's certificate, or of any PCT international application have date before that of the application on which priority is claimed: Prior Foreign Application(s)	filing da	ncluding for continua te of the prior applic	tion-in-part app	lications,	material inform	nation which be	ecame	availa	ıble l	oetwe	en th	
Not Claimed YE (Number) (Country) (Day/Month/Year filed) (Number) (Country) (Day/Month/Year filed) (Number) (Country) (Day/Month/Year filed) (Number) (Country) (Day/Month/Year filed) (Number) (Day/Month/Year filed) (Number) (Application Number) (Filing Date)	country any fore	nt or inventor's certification of the than the United ign application for pa	icate, or 365(a) I States of Ameratent or inventor	of any PC rica, listed r's certific	CT international d below and hav cate, or of any P	application when also identified	nich d ed bel	esigna ow, by	ted a	t leas king	t one the b	oox,
(Number) (Country) (Day/Month/Year filed) (Number) (Country) (Day/Month/Year filed) (Number) (Country) (Day/Month/Year filed) (Number) (Country) (Day/Month/Year filed) I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) list 60/214,875 6/29/00 (Application Number) (Filing Date)			;	Prior For	eign Applicatio	<u>n(s)</u>	N	ot	(Certi Copy ES		
(Number) (Country) (Day/Month/Year filed) (Number) (Country) (Day/Month/Year filed) [] [(Day/Month/Year filed) I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) list 60/214,875 (Application Number) (Filing Date)	(Numbe	r)	(Country)		Day/Month/Ye	ar filed)	{]	[]	[}
(Number) (Country) (Day/Month/Year filed) I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) list 60/214,875 6/29/00 (Application Number) (Filing Date)	(Numbe	r)	(Country)		Day/Month/Ye	ar filed)	[]	[]	[]
60/214,875 6/29/00 (Application Number) (Filing Date)	(Numbe	r)	(Country)		Day/Month/Ye	ar filed)	[]	[]	[]
(Application Number) (Filing Date)	I hereby	claim the benefit un	der 35 U.S.C. §	119(e) of	any United Sta	tes provisional	appli	cation((s) lis	sted b	elow	·.
		60/214,875			6/29/00							
(Application Number) (Filing Date)	(Applic	ation Number)			(Filing Date)					<u> </u>		
	(Applic	ation Number)		-	(Filing Date)							 ·

(Application Serial No	p.)	(Filing date)	(Status: patented, pending, abandoned)
(Application Serial No	p.)	(Filing date)	(Status: patented, pending, abandoned)
(Application Serial No	D.)	(Filing date)	(Status: patented, pending, abandoned)
(Application Serial No	p.)	(Filing date)	(Status: patented, pending, abandoned)
As a named in Hamilton, Brook, Sm Customer No. 210	ith & Rey	nereby appoint the attorneys a nolds, P.C., Two Militia Dri	and/or agents associated with ive, Lexington, Massachusetts 02421-4799
and	,		
to prosecute this applic			Patent and Trademark Office connected therewith.
Please send corres			ratem and Trademark Office connected therewith.
	_		
[X] Customer No	•	21005 HAMILTON, BROOK, S	SMITH & REYNOLDS, P.C.
		Two Militia Drive Lexington, MA 02421-47	,
or		Deanigton, 111A 02421-47	(2)
[] Address as fol	lows:		
Diment talent		M. T. W. I.	
		Mary Lou Wakimura	Telephone No.: 781-861-6240
Direct facsimi	les to:	Mary Lou Wakimura	Facsimile No.: 781-861-9540
that willful false statem	en are bene ents and th United Stat	eved to be true; and further the e like so made are punishable tes Code and that such willful	own knowledge are true and that all statements made at these statements were made with the knowledge by fine or imprisonment, or both, under Section I false statements may jeopardize the validity of the
Full name of sole			
or first inventor	Paul Tu	irner	
Inventor's Signature			Date
Residence			
	Mold, I	Flintshire CH7 1NX, United H	Kingdom
Citizenship		Vinadam	
Mailing Address	Same		

Charles War

Full name of second join		4
inventor, if any		
	93 Pleasant Valley	
	Saffron Walden CB11 4AW, United Kingdom	
Citizenship	United Kingdom	
	Same	
Full name of third joint		
inventor, if any	Brian Lines	
	2038 Baker Trail	
	Houston, Texas 77094	
Citizenship	Canadian	
Mailing Address	Same	
Full name of fourth joint		
inventor, if any	S. Steven Treiber	
Inventor's Signature	1. //M	Date _ <u>pure 21, 2</u> 06
Residence	17 Ava Road	
	Toronto, Ontario, Canada M5P 1X8	
Citizenship	Canadian	
Mailing Address	Same	

Declaration for Patent Application

As a named inventor, I hereby declare that:

My residence, mailing address and citizenship are as stated next to my name;

I believe I am the original, first and sole inventor (if only one name is listed) or an original, first and joint inventor (if plural names are listed in the signatory page(s) commencing at page 3 hereof) of the subject matter which is claimed and for which a patent is sought on the invention entitled

	COMPUTER METAPPROXIMATOR	THOD AND APPA OF AN EMPIRI	ARATUS FOR CONSTRAINING A CAL PROCESS	NON-	LINEA	AR			
the spe	ecification of which (check one)							
[X]	is attached hereto.								
[]	was filed on	as U	nited States Application						
	Number or PCT Ir	ternational Applic	eation No						
	and was amended	on	(if applicable).						
incluđ	I hereby state that ling the claims, as am	I have reviewed ar ended by any ame	nd understand the contents of the about above.	ove-ider	ntified s	speci	ficati	ion,	
filing	including for continu	iation_in_nart annl	nformation which is material to pater ications, material information which ional or PCT international filing dat	became	e availa	ible t	oetwe	en in	₹.
count	tent or inventor's cert	ificate, or 365(a) of ed States of Ameri patent or inventor ication on which p		which c ified bel onal app	lesigna .ow, by plicatio	ted a	it ieas cking	the b	ox,
		<u> </u>	Prior Foreign Application(s)	N	ority lot imed			Filed N	? O
(Num	ber)	(Country)	(Day/Month/Year filed)	_ []	[]	[]
(Num	ıber)	(Country)	(Day/Month/Year filed)	_ []	[]	[]
(Num	aber)	(Country)	(Day/Month/Year filed)	[]	[]	[]
I here	eby claim the benefit	under 35 U.S.C. §	119(e) of any United States provision	nal appl	ication	ı(s) li	sted !	below	r.
	60/214,875		6/29/00						
(App	lication Number)		(Filing Date)						
(App	lication Number)		(Filing Date)	-					

(Application Serial No.)	tion Serial No.) (Filing date) (Status: patented, pending, abandoned)						
(Application Serial No.)	<u> </u>	(Filing date) (Status: patented, pending, abandoned					
(Application Serial No.)		(Filing date)	(Status: patented, pending, abandoned)				
(Application Serial No.)	 	(Filing date)	(Status: patented, pending, abandoned)				
	h & Reyn		and/or agents associated with Orive, Lexington, Massachusetts 02421-4799				
and							
to prosecute this applica	tion and to	transact all business in th	e Patent and Trademark Office connected therewith.				
Please send correspo	ondence t	o:					
[X] Customer No.		21005	z, SMITH & REYNOLDS, P.C.				
[,			Similia & Reinolds, 1.c.				
		Two Militia Drive Lexington, MA 02421-	•				
or	0.22.02	Two Militia Drive	•				
	ows:	Two Militia Drive	•				
or [] Address as follo		Two Militia Drive Lexington, MA 02421-	4799				
or [] Address as follo		Two Militia Drive	4799 Telephone No.: 781-861-6240				
or [] Address as follo Direct telephon	e calls to:	Two Militia Drive Lexington, MA 02421-	4799				
or [] Address as follows: Direct telephon Direct facsimile I hereby declare on information and belie that willful false stateme	e calls to: es to: that all store that all store believed state that and the direct state of the direct	Mary Lou Wakimura Mary Lou Wakimura Mary Lou Wakimura tatements made herein of a ved to be true; and further the like so made are punishales Code and that such will	4799 Telephone No.: 781-861-6240				
or [] Address as follow Direct telephon Direct facsimile I hereby declare on information and belie that willful false stateme 1001 of Title 18 of the U	e calls to: es to: that all store that all store believed state that and the direct state of the direct	Mary Lou Wakimura Mary Lou Wakimura Mary Lou Wakimura tatements made herein of a ved to be true; and further the like so made are punishales Code and that such will	Telephone No.: 781-861-6240 Facsimile No.: 781-861-9540 my own knowledge are true and that all statements made that these statements were made with the knowledge ble by fine or imprisonment, or both, under Section				
or [] Address as follows: Direct telephon Direct facsimile I hereby declare on information and belie that willful false stateme 1001 of Title 18 of the U application or any patent	e calls to: es to: that all store that all store believed state that and the direct state of the direct	Mary Lou Wakimura Mary Lou Wakimura Mary Lou Wakimura tatements made herein of reved to be true; and further the like so made are punishates Code and that such will be reon.	Telephone No.: 781-861-6240 Facsimile No.: 781-861-9540 my own knowledge are true and that all statements made that these statements were made with the knowledge ble by fine or imprisonment, or both, under Section				
or [] Address as follows: Direct telephon Direct facsimile I hereby declare on information and belie that willful false stateme 1001 of Title 18 of the U application or any patent. Full name of sole	ee that all stee that all stee that and the united State t issued the	Mary Lou Wakimura Mary Lou Wakimura Mary Lou Wakimura tatements made herein of reved to be true; and further the like so made are punishates Code and that such will be reon.	Telephone No.: 781-861-6240 Facsimile No.: 781-861-9540 my own knowledge are true and that all statements made that these statements were made with the knowledge ble by fine or imprisonment, or both, under Section				
or [] Address as follows: Direct telephon Direct facsimile I hereby declare on information and belie that willful false stateme 1001 of Title 18 of the Uapplication or any patent. Full name of sole or first inventor	e that all stee that all stee that all stee that and the Juited State trissued the	Mary Lou Wakimura Mary Lou Wakimura Mary Lou Wakimura tatements made herein of a received to be true; and further like so made are punishates Code and that such will be recon.	Telephone No.: 781-861-6240 Facsimile No.: 781-861-9540 my own knowledge are true and that all statements made that these statements were made with the knowledge ble by fine or imprisonment, or both, under Section Iful false statements may jeopardize the validity of the				
or [] Address as follows: Direct telephon Direct facsimile I hereby declare on information and belie that willful false stateme 1001 of Title 18 of the Lapplication or any patent. Full name of sole or first inventor	e that all stee that all stee that all stee that and the Juited State trissued the Paul Terms 8 Nant-	Mary Lou Wakimura Mary Lou Wakimura Mary Lou Wakimura tatements made herein of a received to be true; and further like so made are punishates Code and that such will be recon.	Telephone No.: 781-861-6240 Facsimile No.: 781-861-9540 my own knowledge are true and that all statements made that these statements were made with the knowledge ble by fine or imprisonment, or both, under Section Iful false statements may jeopardize the validity of the				
or [] Address as follows: Direct telephon Direct facsimile I hereby declare on information and belie that willful false stateme 1001 of Title 18 of the Lapplication or any patent. Full name of sole or first inventor	e that all stef are belie ints and the United Statt issued the Paul Te	Mary Lou Wakimura Mary Lou Wakimura Mary Lou Wakimura Mary Lou Wakimura tatements made herein of reved to be true; and further to like so made are punishates Code and that such will the contract of the	Telephone No.: 781-861-6240 Facsimile No.: 781-861-9540 my own knowledge are true and that all statements made that these statements were made with the knowledge ble by fine or imprisonment, or both, under Section Iful false statements may jeopardize the validity of the				

	, , , , , , , , , , , , , , , , , , ,	
Full name of second joint		
inventor, if any	John P. Guiver	
Inventor's Signature		Date
Residence	93 Pleasant Valley	
	Saffron Walden CB11 4AW, United Kingdom	
Citizenship	United Kingdom	
Mailing Address	Same	
Full name of third joint	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
inventor, if any	Brian Lines	
Inventor's Signature		Date
Residence	2038 Baker Trail	
	Houston, Texas 77094	
	Canadian	
Mailing Address	Same	
Full name of fourth joint		
_	S. Steven Treiber	
		Date
	17 Ava Road	
	Toronto, Ontario, Canada M5P 1X8	
	Canadian	
Mailing Address		

Declaration for Patent Application

As a named inventor, I hereby declare that:

My residence, mailing address and citizenship are as stated next to my name;

I believe I am the original, first and sole inventor (if only one name is listed) or an original, first and joint inventor (if plural names are listed in the signatory page(s) commencing at page 3 hereof) of the subject matter which is claimed and for which a patent is sought on the invention entitled

	COMPUTER ME APPROXIMATO	THOD AND A R OF AN EMP	PPARA PIRICAL	TUS FOR CO PROCESS	ONSTRAINING	GA NON	N-LINE	AR			····
the spe	ecification of which (check one)									
[X]	is attached hereto.										
[]	was filed on	a	as United	l States Appli	cation						
	Number or PCT In	nternational Ap	plication	ı No						-	
	and was amended	on	(if a	applicable).							
includ	I hereby state that ing the claims, as am	I have reviewe ended by any a	ed and un mendme	derstand the ent referred to	contents of the a above.	above-id	entified	spec	ificat	ion,	
§1.56, filing applic	I acknowledge the including for continudate of the prior applation.	nation-in-part a	polication	ons, material i	nformation whi	ch becar	ne avail	lable	betwe	een th	R. e
countr any fo	I hereby claim for tent or inventor's cert y other than the Unit reign application for efore that of the appl	ificate, or 365(ed States of An patent or inven	a) of any nerica, li ntor's cer	PCT interna sted below ar tificate, or of	tional application d have also ide	on which ntified b	design	ated a y che	it leas cking	st one the b	oox,
			<u>Prior</u>	Foreign Appl	cation(s)		riority Not laimed		Cert Copy ES	Filed	? O
(Numl	per)	(Country)		(Day/Mon	h/Year filed)	[]	[]	[]
(Numl	per)	(Country)		(Day/Mon	h/Year filed)]	[]	[]
(Num	ber)	(Country)		(Day/Mon	h/Year filed)]	[]	[]
I here	by claim the benefit ı	ınder 35 U.S.C	. §119(e) of any Unite	d States provis	ional ap _l	olication	n(s) li	sted l	below	7.
	60/214,875			6/29/00							
(Appl	ication Number)			(Filing D	ate)						
(Appl	ication Number)	· w-m-		(Filing D	ate)		····				

(Application Serial No.)		(Filing date)	(Status: patented, pending, abandoned)			
(Application Serial No.)		(Filing date)	(Status: patented, pending, abandoned)			
(Application Serial No.	.)	(Filing date)	(Status: patented, pending, abandoned)			
(Application Serial No.)	(Filing date)	(Status: patented, pending, abandoned)			
As a named in Hamilton, Brook, Smi Customer No. 210	th & Reyn	ereby appoint the attorneys a colds, P.C., Two Militia Dri	nd/or agents associated with ive, Lexington, Massachusetts 02421-4799			
and						
to prosecute this applic	ation and to	transact all business in the	Patent and Trademark Office connected therewith.			
Please send corresp			a done and Trademark Office connected merewith.			
[X] Customer No.		21005 HAMILTON, BROOK, S	SMITH & REYNOLDS, P.C.			
		Two Militia Drive Lexington, MA 02421-47	,			
or		Two Militia Drive Lexington, MA 02421-47	,			
or	lows:		,			
	lows:		,			
[] Address as foll			799			
[] Address as followed Direct telephone	ne calls to:	Lexington, MA 02421-47 Mary Lou Wakimura	Telephone No.: 781-861-6240			
[] Address as followed Direct telephone	ne calls to:	Lexington, MA 02421-47	799			
Direct telephon Direct facsimil I hereby declar on information and belichat willful false statemen	ne calls to: les to: re that all st ref are belie rents and the United State	Mary Lou Wakimura Mary Lou Wakimura Mary Lou Wakimura atements made herein of my yed to be true; and further the like so made are punishable es Code and that such willfu	Telephone No.: 781-861-6240			
Direct telephon Direct facsimil I hereby declar on information and belichat willful false statemed	ne calls to: les to: re that all st ref are belie rents and the United State	Mary Lou Wakimura Mary Lou Wakimura Mary Lou Wakimura atements made herein of my yed to be true; and further the like so made are punishable es Code and that such willfu	Telephone No.: 781-861-6240 Facsimile No.: 781-861-9540 own knowledge are true and that all statements made at these statements were made with the knowledge by fine or imprisonment, or both, under Section			
Direct telephor Direct facsimil I hereby declar on information and belichat willful false statemed 1001 of Title 18 of the lapplication or any paten	ne calls to: les to: re that all st ref are belie rents and the United State at issued the	Mary Lou Wakimura Mary Lou Wakimura Mary Lou Wakimura attements made herein of my yed to be true; and further the like so made are punishable es Code and that such willfurereon.	Telephone No.: 781-861-6240 Facsimile No.: 781-861-9540 own knowledge are true and that all statements made at these statements were made with the knowledge by fine or imprisonment, or both, under Section			
Direct telephor Direct facsimil I hereby declar on information and belichat willful false statemed 1001 of Title 18 of the lapplication or any paten Full name of sole or first inventor	ne calls to: Tee that all steef are believents and the United Statut issued the Paul Tu	Mary Lou Wakimura Mary Lou Wakimura Mary Lou Wakimura Matements made herein of my wed to be true; and further the like so made are punishable es Code and that such willfurereon.	Telephone No.: 781-861-6240 Facsimile No.: 781-861-9540 own knowledge are true and that all statements made at these statements were made with the knowledge by fine or imprisonment, or both, under Section I false statements may jeopardize the validity of the			
Direct telephor Direct facsimil I hereby declar on information and belichat willful false statemed 1001 of Title 18 of the lapplication or any paten Full name of sole or first inventor	re that all stef are believents and the United Statut issued the	Mary Lou Wakimura Mary Lou Wakimura Mary Lou Wakimura atements made herein of my yed to be true; and further the like so made are punishable es Code and that such willfurereon.	Telephone No.: 781-861-6240 Facsimile No.: 781-861-9540 own knowledge are true and that all statements made at these statements were made with the knowledge by fine or imprisonment, or both, under Section I false statements may jeopardize the validity of the			
Direct telephon Direct facsimil I hereby declar on information and belie that willful false statemed 1001 of Title 18 of the bapplication or any paten Full name of sole or first inventor	ne calls to: Tee that all steef are believents and the United Statut issued the Paul Tuesses Nant-	Mary Lou Wakimura Mary Lou Wakimura Mary Lou Wakimura atements made herein of my yed to be true; and further the like so made are punishable es Code and that such willfurereon.	Telephone No.: 781-861-6240 Facsimile No.: 781-861-9540 own knowledge are true and that all statements made at these statements were made with the knowledge by fine or imprisonment, or both, under Section I false statements may jeopardize the validity of the			
Direct telephon Direct facsimil I hereby declar on information and belie that willful false statemed 1001 of Title 18 of the bapplication or any paten Full name of sole or first inventor	re that all stef are believents and the United Statut issued the Paul Tu 8 Nant- Mold, F	Mary Lou Wakimura Mary Lou Wakimura Mary Lou Wakimura Matements made herein of my ved to be true; and further the like so made are punishable es Code and that such willfurereon. The code of the	Telephone No.: 781-861-6240 Facsimile No.: 781-861-9540 own knowledge are true and that all statements made at these statements were made with the knowledge by fine or imprisonment, or both, under Section I false statements may jeopardize the validity of the			

Full name of second joint		
inventor, if any	John P. Guiver	
Inventor's Signature	John P. Graver	Date <u>Vune 20, 200</u>
	93 Pleasant Valley	
	Saffron Walden CB11 4AW, United Kingdom	
Citizenship	United Kingdom	
Mailing Address	Same	
Full name of third joint		
inventor, if any	Brian Lines	
Residence	2038 Baker Trail	
	Houston, Texas 77094	
Citizenship	Canadian	
Mailing Address	Same	
Full name of fourth joint		
inventor, if any	S. Steven Treiber	
Inventor's Signature		Date
Residence	17 Ava Road	
	Toronto, Ontario, Canada M5P 1X8	
Citizenship	Canadian	
Mailing Address	Same	
	~ VAAA.4 V	

ASSIGNMENT

WHEREAS, we, Paul Turner, John P. Guiver, Brian Lines, and S. Steven Treiber, have invented a certain improvement in COMPUTER METHOD AND APPARATUS FOR CONSTRAINING A NON-LINEAR APPROXIMATOR OF AN EMPIRICAL PROCESS described in an application for Letters Patent of the United States, the specification of which:

[X]	s being executed on even date herewith and is about to be filed in the United States Patent Office;
[]	was filed on [] as Application No. [];
[]	was patented under U.S. Patent No. [] on [].

WHEREAS, Aspen Technology, Inc. (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the State of Delaware, and having a usual place of business at 10 Canal Park, Cambridge, Massachusetts 02141 desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue thereon; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

	Inventor		Paul Turner		Date
	Address				
	,				
Witness					
11001000					
					
Witness					
71001005					
					

	Inventor		Date
	_	John P. Guiver	
•	Address _		
	_		
77.714			
•			
Address .			
		-	
Witness			
Address			
		Brian Lines	
	Inventor	Brian Lines	Date
	Inventor		Date
	Inventor Address	Brian Lines	Date
Witness	Inventor Address	Brian Lines	Date
	Inventor .	Brian Lines	Date
Witness	Inventor .	Brian Lines	Date
Witness Address	Inventor Address	Brian Lines	Date
Witness Address Witness	Inventor Address	Brian Lines	Date
Witness Address Witness	Inventor Address	Brian Lines	Date
Witness Address Witness	Inventor Address	Brian Lines	Date

	Inventor S. Steven Treiber				Date June 21, 200		
	Address	17 Ava	Road		מע	Carre O.	
		Tononto,			178	canada	
Witness	bi	Mna fr. Ur'g Rest Mandr	à de fun				
Address		do , Gartar			CAN	JADA	
	10101	13/) // // · · · · · · · · · · · · · · · ·				
Witness		BAY ST	5,007	·~ 17	· · · · · · · · · · · · · · · · · · ·		
Address	TORO	wto, OK	S M5F	1 2 Y	Z		